

REMARKS

Claims 1, 3-10, 12-19 and 21-27 are pending in this application. By this Amendment, claims 1, 5-8, 10, 14-17, 19 and 23-26 are amended. Reconsideration based on the amendments and following remarks is respectfully requested.

I. The Claims Define Allowable Subject Matter

The Office Action rejects claims 1, 3-10, 12-19 and 21-27 under 35 U.S.C. §102(b) as being anticipated by Ghosh et al. (U.S. Patent No. 4,498,079). The rejection is respectfully traversed.

The Office Action asserts that Ghosh teaches selecting between a foreground image stored in the foreground memory and a background image stored in the background memory and outputting the selected image to the color memory. According to the Examiner, the above feature of Shosh corresponds to the feature of the present invention in which an image is drawn in the frame buffer after drawing a three-dimensional object in the immediate buffer. Applicant respectfully submits that the assertion is erroneous.

Specifically, Ghosh is not directed to a three-dimensional calculation system and therefore does not perform geometry processing for perspective transformation of an object in a three-dimensional space. Moreover, in Ghosh neither the foreground image nor the background image is a drawn image of a geometry-processed object.

Ghosh merely teaches selecting between the foreground image and the background image and outputting the selected image to the color memory in the order of priority in a hierarchy of each image, but fails to teach generating a screen display by drawing a primitive surface in the frame buffer while texture-mapping the image of the immediate buffer as recited in the present invention.

Furthermore, the Office Action asserts that Ghosh teaches the features of claim 1 (which uses the three-dimensional information to specify drawing positions of a primitive

surface), in view of Ghosh's teaching of giving priority order between the foreground image and the background image.

Nevertheless, Ghosh is unrelated to the processing for specifying drawing positions of a primitive surface, as Ghosh teaches predetermining a foreground object and a background object and therefore priority is primarily given between the foreground image and the background image in two-dimensional hierarchical order.

Applicant respectfully submits that the claims as amended clarify that drawing positions of a primitive surface are specified based on the three-dimensional information associated with a position of an object in the object space.

Finally, in contrast with prior art which teaches drawing a geometry-processed object directly in the frame buffer, the presently claimed combination of features teach drawing an image in the intermediate buffer and then in the frame buffer thereby giving different effects on various areas and allowing an image in the intermediate buffer to be shared among the discrete frames.

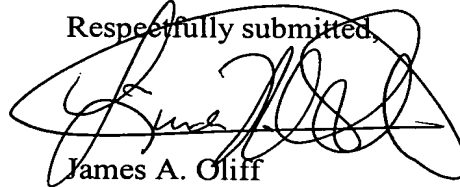
Accordingly, Applicant respectfully submits that the claims as amended obviate the rejection. Withdrawal of the rejection is respectfully requested.

II. Conclusion

In view of the foregoing, it is respectfully submitted that this application is in condition for allowance. Favorable reconsideration and prompt allowance of the claims are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact the undersigned at the telephone number set forth below.

Respectfully submitted,



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Date: February 9, 2007

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